

Docket No.:

P04978

Filing Date:

William J. Huff et al.

Applicant:
Application No.: 09/935,940 August 23, 2001

REPLACEMENT

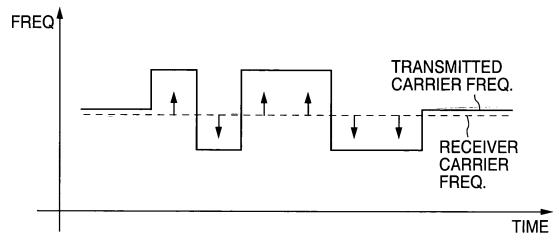


FIG. 1A

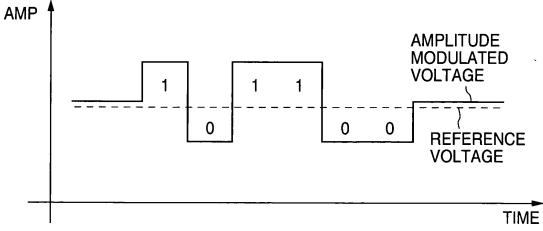


FIG. 1B



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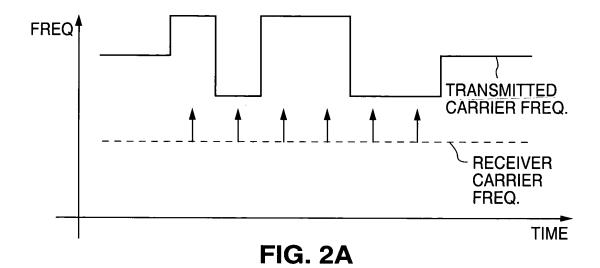
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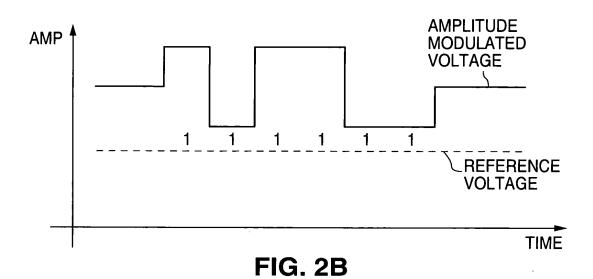
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√-301 986 MIXER 305 VOLTAGE CONTROLLED-OSCILLATOR 360 SPLITTER NOMINAL CARRIER FREQ. 310 ACTUAL REFERENCE CARRIER FREQUENCY DELAY T = 1/4fr MIXER 315 CHARGE PUMP & LOOP-FILTER 330 355 FILTER 320 DELTA-SIGMA MODULATOR PHASE DETECTOR SUBTRACT DIVIDE BY N SCALER ADC 325 345 331 350 335 340/ CRYSTAL OSC. REF. -SIGNAL

FIG. 3